

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	394	octyloxyphenylphenyliodonium (octyloxyphenyl adj2 phenyliodonium) (octyloxyphenyl adj2 phenyl adj2 iodonium) (octyloxy adj2 phenyl adj2 phenyliodonium) (octyloxy adj2 phenyl adj2 phenyl adj2 iodonium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 17:42
L2	14	tetradecyloxyphenylphenyliodonium (tetradecyloxyphenyl adj2 phenyliodonium) (tetradecyloxyphenyl adj2 phenyl adj2 iodonium) (tetradecyloxy adj2 phenyl adj2 phenyliodonium) (tetradecyloxy adj2 phenyl adj2 phenyl adj2 iodonium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 17:42
L3	405	L1 L2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 17:42
L4	18137	((catalyst accelerator) with (cationic onium iodonium diaryliodonium diphenyliodonium sulfonium triarylsulfonium triphenylsulfonium)) L3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 17:42
L5	3	(flux fluxing) with compatib\$ with I4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 17:43
L6	16	underfill.ab. and I4.ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 17:44
L7	13	(nonfluxing ("non fluxing" "non-fluxing")) with underfill	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 17:51
L8	7	I7 and I4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 17:52
L9	27	(nonfluxing ("non fluxing" "non-fluxing")) with (underfill encapsulant composition adhesive)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 17:55
L10	7	I9 and I4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 17:55

L11	1	I9 and I4 and (coreshell (core adj2 shell))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 18:02
L12	375	(underfill encapsulant) and I4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 18:08
L13	132	(underfill encapsulant) and I4 and underfill	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 18:08
L14	70	(underfill encapsulant) and I4 and underfill and (flux fluxing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 18:09
L15	62	I13 not I14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 18:19
L16	5	(I13 I14 I15) and (coreshell (core adj2 shell))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 18:29
L17	36	("20020089071"   "4654379"   "4842800"   "5015675"   "5073543"   "5073643"   "5079378"   "5095053"   "5144051"   "5260349"   "5358992"   "5447988"   "5489641"   "5514728"   "5646241"   "5718941"   "5753748"   "6031014"   "6180696"   "6211320").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 18:40
L18	19	I17 and I4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 18:43
L19	6	I17 and I4 and (flux fluxing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 18:44
L20	5988	257/787.ccls. 257/788.ccls. 257/789.ccls. 257/792. ccls. 257/793.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 18:47
L21	1800	523/400.ccls. 523/440.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 18:47
L22	2195	438/127.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 18:47

L23	9588	(L20 L21 L22)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 18:47
L24	36	I12 and I23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 18:48
L25	3079	chan-b\$.in. chan-b\$-\$.in. todd-m\$.in. todd-m\$-\$.in. edwards-m\$.in. edwards-m\$-\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 18:50
L26	4	I7 and I25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/02 18:50
S25	496814	silicone polysiloxane polyorganosiloxane polydiorganosiloxane organopolysiloxane organosiloxane diorganopolysiloxane siloxane organosilicone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/14 09:00
S26	317795	curative hardener (cross adj2 linker) crosslinker (curing hardening (cross adj2 linking) crosslinking) adj2 (agent promoter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/28 14:33
S27	1222941	amine amino diamine diamino triamine triamino polyamine polyamino	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/12 13:13
S28	605176	epox\$6 diepox\$6 triepox\$6 polyepox\$6 glycidyl\$ diglycidyl\$ triglycidyl\$ tetraglycidyl\$ polyglycidyl\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/14 09:01
S43	675531	((underfil\$5 (under adj2 fil\$5)).ab. and flux\$5.ab. (catalyst accelerator).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 12:26
S44	78	((underfil\$5 (under adj2 fil\$5)).ab. and flux\$5.ab. and (catalyst accelerator).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 12:27
S45	19	((underfil\$5 (under adj2 fil\$5)).ab. and flux\$5.ab. and (catalyst accelerator).ab. and ((cationic onium iodonium sulfonium phosphonium ferrocenium) with (catalyst accelerator))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 12:31
S46	27	((((underfil\$5 (under adj2 fil\$5)) same flux\$5 same (catalyst accelerator)) and ((cationic onium iodonium sulfonium phosphonium ferrocenium) with (catalyst accelerator))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 12:38

\$47	15	\$46 not \$45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 12:38
\$48	24	\$46 and filler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 12:39
\$49	6	\$46 and filler and (coreshell (core adj shell))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 12:39
\$50	80	((underfil\$5 (under adj2 fil\$3)) and flux\$5 and (catalyst accelerator) and ((cationic onium iodonium sulfonium phosphonium ferrocenium) with (catalyst accelerator)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 12:44
\$51	6	\$50 and filler and (coreshell (core adj shell))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 12:44
\$52	8	\$50 and (diaryliodonium (diaryl adj2 iodonium) triarylsulfonium (triaryl adj2 sulfonium))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 13:05
\$53	4295	((underfil\$5 (under adj2 fil\$3)) and flux\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 13:13
\$54	14	\$53 and (diaryliodonium (diaryl adj2 iodonium) triarylsulfonium (triaryl adj2 sulfonium))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 13:14
\$55	39	\$50 and (iodonium sulfonium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 13:16
\$56	22	\$50 and (iodonium and sulfonium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 13:17
\$57	23	\$50 and (iodonium diaryliodonium diphenyliodonium) and (sulfonium triarylsulfonium triphenylsulfonium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 13:18
\$58	162	((underfil\$5 (under adj2 fil\$3)) and (iodonium diaryliodonium diphenyliodonium) and (sulfonium triarylsulfonium triphenylsulfonium))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 13:21

S59	32	((underfil\$5 (under adj2 fil\$3)).ab. and (iodonium diaryliodonium diphenyliodonium) and (sulfonium triarylsulfonium triphenylsulfonium))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 13:21
S60	16	((underfil\$5 (under adj2 fil\$3)).ab. and (iodonium diaryliodonium diphenyliodonium) and (sulfonium triarylsulfonium triphenylsulfonium) and (anhydride dianhydride polyanhydride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 13:22
S61	118	((underfil\$5 (under adj2 fil\$3)) and (iodonium diaryliodonium diphenyliodonium) and (sulfonium triarylsulfonium triphenylsulfonium) and (anhydride dianhydride polyanhydride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 13:23
S62	24	((underfil\$5 (under adj2 fil\$3)) and (iodonium diaryliodonium diphenyliodonium) and (sulfonium triarylsulfonium triphenylsulfonium) and (anhydride dianhydride polyanhydride) and ((underfil\$5 (under adj2 fil\$3)).ti. (underfil\$5 (under adj2 fil\$3)).ab. (underfil\$5 (under adj2 fil\$3)).clm.))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 13:54
S63	734410	epox\$6 diepox\$6 triepox\$6 polyepox\$6 glycidyl\$ diglycidyl\$ triglycidyl\$ tetraglycidyl\$ polyglycidyl\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 13:55
S64	114	S61 and S63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 13:55
S65	11	S64 and (catalyst accelerator).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 13:56
S66	28	S64 and S63.ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 13:57
S67	377428	curative hardener (cross adj2 linker) crosslinker ((curing hardening (cross adj2 linking) crosslinking) adj2 (agent promoter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:25
S68	171	((catalyst accelerator) same (iodonium diaryliodonium diphenyliodonium) same (sulfonium triarylsulfonium triphenylsulfonium) and (S67 same (anhydride dianhydride polyanhydride)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:25
S69	168	S63 and S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:25
S70	100	S63 and S68 and filler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:26

S71	37	S63 and S68 and filler and semiconductor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:26
S72	80	S63 and S68 and semiconductor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:32
S73	43	S72 not S71	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:32
S74	151	((catalyst accelerator) same (iodonium diaryliodonium diphenyliodonium) same (sulfonium triarylsulfonium triphenylsulfonium)) and (S67 same (anhydride dianhydride polyanhydride)) and ((catalyst accelerator iodonium diaryliodonium diphenyliodonium sulfonium triarylsulfonium triphenylsulfonium) same (S67 anhydride dianhydride polyanhydride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:11
S76	148	S63 and S74	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:12
S77	118	((catalyst accelerator) same (iodonium diaryliodonium diphenyliodonium) same (sulfonium triarylsulfonium triphenylsulfonium)) and (S67 same (anhydride dianhydride polyanhydride)) and ((catalyst accelerator iodonium diaryliodonium diphenyliodonium sulfonium triarylsulfonium triphenylsulfonium) same (S67 anhydride dianhydride polyanhydride) same S63)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:13
S78	77	((catalyst accelerator) same (iodonium diaryliodonium diphenyliodonium) same (sulfonium triarylsulfonium triphenylsulfonium)) and (S67 same (anhydride dianhydride polyanhydride)) and ((catalyst accelerator iodonium diaryliodonium diphenyliodonium sulfonium triarylsulfonium triphenylsulfonium) same (S67 anhydride dianhydride polyanhydride) same S63 same (cationic iodonium diaryliodonium diphenyliodonium sulfonium triarylsulfonium triphenylsulfonium))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:15
S79	370	octyloxyphenylphenyliodonium (octyloxyphenyl adj2 phenyliodonium) (octyloxyphenyl adj2 phenyl adj2 iodonium) (octyloxy adj2 phenyl adj2 phenyliodonium) (octyloxy adj2 phenyl adj2 phenyl adj2 iodonium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:46
S80	14	tetradecyloxyphenylphenyliodonium (tetradecyloxyphenyl adj2 phenyliodonium) (tetradecyloxyphenyl adj2 phenyl adj2 iodonium) (tetradecyloxy adj2 phenyl adj2 phenyliodonium) (tetradecyloxy adj2 phenyl adj2 phenyl adj2 iodonium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:48
S81	381	S79 S80	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:48

S82	29	S72 and (flux fluxing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:48
S83	29	S81 and (flux fluxing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:50
S84	162	S63 and (anhydride dianhydride polyanhydride) and S81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:52
S85	56	S63 and ((anhydride dianhydride polyanhydride) same S67) and S81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:52
S86	10	S63 and (anhydride dianhydride polyanhydride) same S67) and S81 and (flux fluxing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:56
S87	15	S63 and (anhydride dianhydride polyanhydride) same S67) and S81 and (underfill underfilling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:59
S88	78	(cationic adj2 (catalyst accelerator)) with imidazole	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 16:12
S89	6	"6180696".pn. us-20020089071-\$.did. "5514728".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 09:34
S90	2906	chan-b\$.in. chan-b\$.in. todd-m\$.in. todd-m\$.in. edwards-m\$.in. edwards-m\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 09:39
S91	370	octyloxyphenylphenyliodonium (octyloxyphenyl adj2 phenyliodonium) (octyloxyphenyl adj2 phenyl adj2 iodonium) (octyloxy adj2 phenyl adj2 phenyliodonium) (octyloxy adj2 phenyl adj2 phenyl adj2 iodonium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 09:40
S92	14	tetradecyloxyphenylphenyliodonium (tetradecyloxyphenyl adj2 phenyliodonium) (tetradecyloxyphenyl adj2 phenyl adj2 iodonium) (tetradecyloxy adj2 phenyl adj2 phenyliodonium) (tetradecyloxy adj2 phenyl adj2 phenyl adj2 iodonium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 09:40
S93	381	S91 S92	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 09:40

S94	14665	((catalyst accelerator) with (cationic iodonium diaryliodonium diphenyliodonium sulfonium triarylsulfonium triphenylsulfonium)) S93	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 09:40
S95	17504	((catalyst accelerator) with (cationic onium iodonium diaryliodonium diphenyliodonium sulfonium triarylsulfonium triphenylsulfonium)) S93	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 09:41
S96	29	S93 and S95 and (flux flux\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 09:41
S97	1	S93 and S95.clm. and (flux flux\$4).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 09:41
S98	5879	257/787.ccls. 257/788.ccls. 257/789.ccls. 257/792.ccls. 257/793.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 09:44
S99	1759	523/400.ccls. 523/440.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 09:48
S100	2066	438/127.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 09:48
S101	9327	(S98 S99 S100)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 09:48
S102	27	S101 and S95 and (flux flux\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/22 09:49

12/2/09 6:54:38 PM

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